5500 Project

1. DB

   a. user

col	is_key	desc
id	yes	
email		
username		
password		encrypt before saved
address		
tele		

   b. admin

col	is_key	desc
id	yes	
email		
username		
password		encrypt before saved

   c. university

col	is_key	desc
id	yes	
name		
ranking		
description		
studentSize		

   d. review

col	is_key	desc
id	yes	
userID		

universityID		
content		content of the review
rating		rating of the university; 1, 2, 3, 4, 5

2. Backend API

Function	API	Desc	req	resp
Login, Logout, Register	user/login		1. username 2. password	1. userID 2. errorMessage
	user/logout			
	user/register		1. email 2. username 3. password	1. userID 2. errorMessage
	admin/login		1. username 2. password	1. adminID 2. errorMessage
	admin/logout			
Maintain User Profile	profile/get		1. userID	1. email 2. tel 3. address
	profile/update		1. userID 2. email 3. tel 4. address	1. errorMessage
University	university/get		1. ID	1. name 2. desc 3. studentSize 4. ranking 5. reviews
	university/list	query universities based on name, ranking, studentSize, country	1. name 2. ranking 3. studentSize 4. country	1. list of universities
	university/create	publish university info, admin only	1. name 2. ranking 3. studentSize 4. desc	1. errorMessage
	university/update	update university info, admin only	1. name 2. ranking 3.	1. errorMessage

			studentSize 4. desc	
Review	review/create	publish a review	1. universityID 2. userID 3. content 4. rating	1. errorMessage
	review/list	list reviews by universityID and rating	1. universityID 2. rating	
Compare	university/compare	compare two universities	1. universityName1 2.universityName2	1. info of university1 2. info of university2